

CLAIMS

1. Chronograph mechanism for cooperating with a movement including:

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- a frame (28) for carrying the components of the movement,
 - means for counting the current time, including an energy source, a time base and a going train,

said mechanism including:

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- means for counting measured times (40),
- coupling means (50), arranged for engaging and releasing the measured time counting means from the current time counting means, and
- means (60) for actuating the coupling means (50)

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characterized in that:

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- said means for counting measured times (40) include first (421) and second (422) chronograph gear trains, each intended to carry a hand (20, 22; 21, 23), which

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respectively assure the display of a first and a second measured time,

- said coupling means (50) include first and second coupling clutches (521, 522), for connecting the going train respectively to the first and the second chronograph gear trains,

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- said actuating means include:

- a control device (61, 65) arranged so as to engage or release one coupling clutch or the other (521, 522), and
- 30 - a switching device (64, 65) arranged such that actuation thereof causes the engaged coupling clutch to be released and the released coupling clutch to be engaged.

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2. Mechanism according to claim 1, **characterised in that** said actuating means further include an initialisation device (70) arranged for controlling the resetting to zero of the measured time counting means (40).

3. Mechanism according to claim 2, **characterised in that** the switching device (64, 65) includes a coupling structure (64b, 64c, 64d) arranged such that it can only be actuated when one of the chronograph gear trains (421, 422) is coupled.

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4. Mechanism according to claims 1 to 3, **characterised in that** the actuating means (60) include a locking structure (662, 664) arranged such that the initialisation device (70) cannot be actuated when one of the chronograph gear trains (421, 422) is coupled.

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